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DATE MAILED: 12/12/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,928	02/27/2004	. Tobin J. Marks	7479	6801
22922	7590 12/12/2006		EXAM	INER
_	BOERNER VAN DEU	KUGEL, TIMOTHY J		
ATTN: LINDA KASULKE, DOCKET COORDINATOR 1000 NORTH WATER STREET			ART UNIT	PAPER NUMBER
SUITE 2100			1712	
MITWATE	EE WI 53202			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/789,928	MARKS ET AL.				
Office Action Summary	Examiner	Art Unit				
·	Timothy J. Kugel	1712				
The MAILING DATE of this communication appeariod for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 19 Oc	tober 2006.					
·=						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-22</u> is/are pending in the application.						
	4a) Of the above claim(s) <u>19-22</u> is/are withdrawn from consideration.					
5) Claim(s) <u>1-6,8-14 and 16-18</u> is/are allowed.						
⊠ Claim(s) <u>7 and 15</u> is/are rejected.						
7) Claim(s) is/are objected to.						
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, ,,	·					
Application Papers						
9) The specification is objected to by the Examiner.						
10) \boxtimes The drawing(s) filed on <u>02/27/2004, 04/03/2006 and 10/19/2006</u> is/are: a) \boxtimes accepted or b) \square objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correcti	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 						
* See the attached detailed Office action for a list of the control of the contro	4) 🔲 Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) B) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P					
Paper No(s)/Mail Date	6) Other:					

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DETAILED ACTION

- 1. Claims 1-22 are pending as amended on 19 October 2006. Claims 19-22 are withdrawn from consideration.
- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Election/Restrictions

3. This application contains claims 19-22 drawn to an invention nonelected in the reply filed 15 July 2005. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

Drawings

4. The replacement sheet containing figures 10A, 12 and 13 were received on 19 October 2006. These drawings are acceptable.

Claim Rejections - 35 USC § 112

5. Claims 7 and 15 stand rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Each of claims 7 and 15 recite, the limitation "wherein $(-X=X-)_n$ comprises a moiety having a structural formula selected from $(-C=C-)_n$ and

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$$(X=X)_{m}$$
 wherein $m+m'\geq 1$." It is unclear what the $(-X=X-)_{m}$

and (-X=X-)_m represent.

Response to Amendment

6. Applicant's amendment, filed 19 October 2006, with respect to requiring the D moiety to be a hydrogen bond-forming hydrogen donor and the A moiety to be a hydrogen bond-forming hydrogen acceptor has been fully considered and overcomes the following:

The rejection of claims 1-4 under the judicially created doctrine of obviousness type double patenting as being unpatentable over claim 14 of US Patent 6,855,274 (Marks hereinafter) has been withdrawn.

The rejection of claims 1, 2, 7, 12, 15 and 16 under 35 U.S.C. 102(b) as being anticipated by US Patent 3,947,410 (Meyer '410 hereinafter) has been withdrawn.

The rejection of claims 1, 2 and 7 under 35 U.S.C. 102(b) as being anticipated by United Kingdom Patent GB 1398993 (Fleck hereinafter) has been withdrawn.

Response to Arguments

7. Applicant's arguments, filed 19 October 2006, particularly that the specification—specifically Figure 13 and Example 3b—support a substrate that comprises the

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condensation product of hydroxylated indium tin oxide and an aminoalkyltrialkoxysilane, have been fully considered and are persuasive.

The rejection of claim 18 under 35 USC 112 1st paragraph as not being enabled has been withdrawn

8. Applicant's further arguments filed 19 October 2006 have been fully considered but they are not persuasive.

Applicant argues that one of ordinary skill in the art at the time the invention was made would understand the limitation of claim 18, "wherein $(-X=X-)_n$ comprises a moiety having a structural formula selected from $(-C=C-)_n$ and

wherein $m + m' \ge 1$ "; however, this limitation is

indefinite because X=X appears as both a variable moiety in the structure D— Ar^1x — $(X=X)_n$ — Ar^2y —A and within what should be definite moiety for which $(-X=X-)_n$ stands. It is suggested that this limitation be amended to read "wherein $(-X=X-)_n$ comprises a moiety having a structural formula selected from $(-C=C-)_n$ and

wherein m + m' ≥ 1", and the various potential Y

substituents are listed.

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Allowable Subject Matter

9. Claims 1-6, 8-14 and 16-18 are allowed.

Conclusion

10. **THIS ACTION IS MADE FINAL**. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy J. Kugel whose telephone number is (571) 272-1460. The examiner can normally be reached 6:00 AM – 4:30 PM Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone

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Business Center (EBC) at 866-217-9197 (toll-free).

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number for the organization where this application or proceeding is assigned is (571)

273-8300.

12. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

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RANDY GUĽAKOWSKI SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700

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